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Superseding AS1159B

Wrenching Configuration, 12 Lobed, For Threaded Fasteners

RATIONALE

This document has been determined to contain basic and stable technology which is not dynamic in nature.

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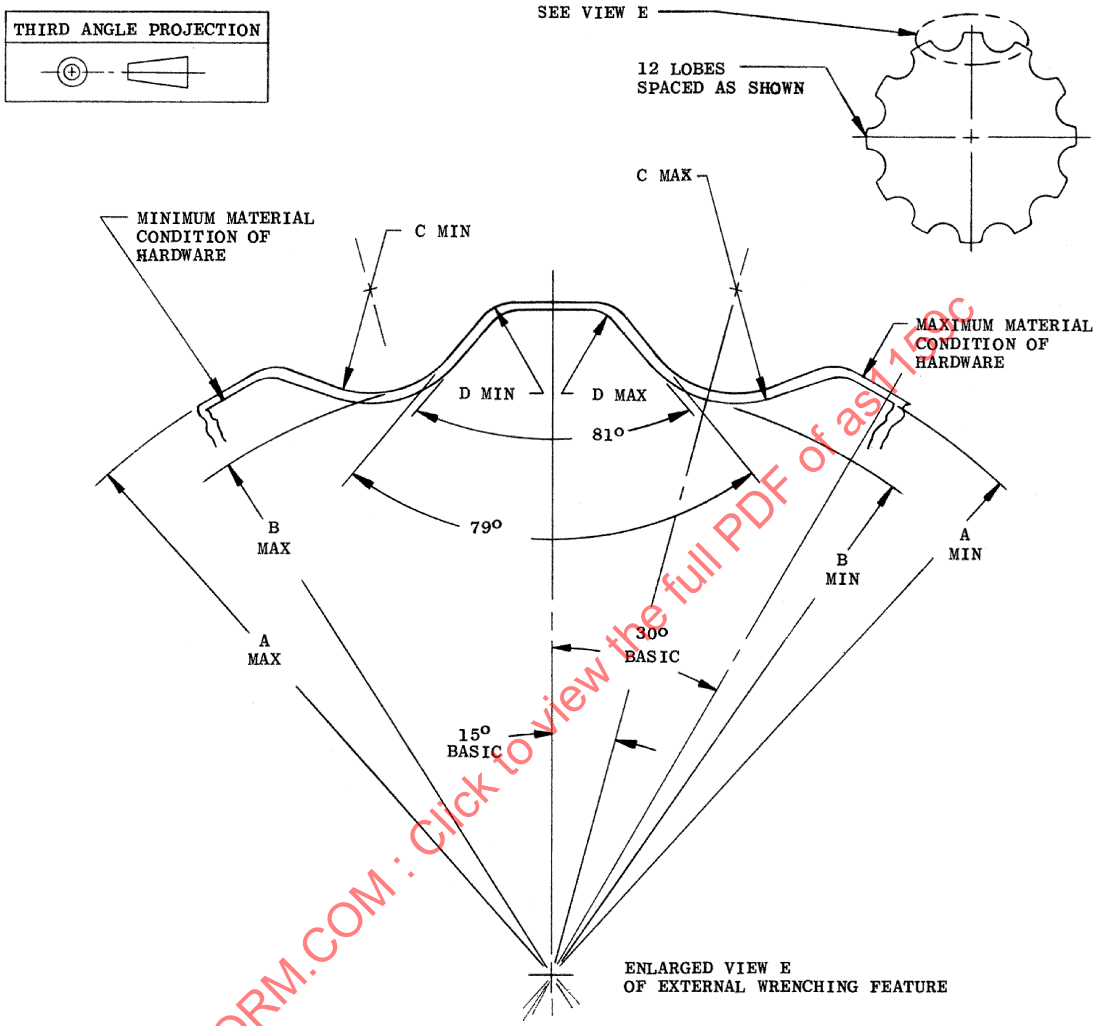

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VARIATIONS IN SIZE, FORM, AND POSITION OF THE 12 LOBES ARE PERMITTED WITHIN THE WRENCHING LENGTH, PROVIDING THE ACTUAL PROFILE FALLS WITHIN THE MAXIMUM AND MINIMUM MATERIAL CONDITIONS SHOWN.

DIMENSIONS ARE PRIOR TO DEFORMATION OF THE LOCKING ELEMENT ON SELF LOCKING NUTS, DEFORMATION SHALL NOT PREVENT THE ASSEMBLY OF THE WRENCH ON THE PRODUCT.

APPLICABLE WRENCHING TOOL SHALL HAVE AN INTERNAL WRENCHING CONFIGURATION PER AS 1325.

TABLE I
(U.S. CUSTOMARY UNITS)

DASH NO.	NOMINAL WRENCHING SIZE SEE NOTE	MAXIMUM MATERIAL CONDITION				MINIMUM MATERIAL CONDITION			
		A DIA. MAX.	B DIA. MAX.	C RAD. MIN.	D RAD MIN	A DIA. MIN.	B DIA. MIN.	C RAD MAX.	D RAD MAX.
06	.1875	.223	.197	.020	.005	.219	.193	.025	.010
07	.2188	.259	.229	.023	.005	.255	.225	.028	.010
08	.2500	.295	.261	.025	.005	.291	.257	.030	.010
10	.3125	.368	.327	.030	.009	.363	.322	.035	.015
12	.3750	.439	.391	.035	.009	.434	.386	.040	.015
14	.4375	.512	.456	.040	.014	.507	.451	.045	.020
16	.5000	.585	.522	.045	.014	.580	.517	.050	.020
18	.5625	.656	.586	.050	.019	.650	.580	.055	.025
20	.6250	.733	.652	.055	.019	.727	.646	.060	.025
22	.6875	.806	.717	.060	.024	.800	.711	.065	.030
24	.7500	.879	.783	.065	.024	.873	.777	.070	.030
26	.8125	.951	.849	.070	.029	.944	.842	.075	.035
28	.8750	1.023	.913	.075	.029	1.016	.906	.080	.035
30	.9375	1.097	.979	.080	.034	1.090	.972	.085	.040
32	1.0000	1.168	1.044	.085	.034	1.161	1.037	.090	.040
34	1.0625	1.239	1.108	.090	.039	1.232	1.101	.095	.045
36	1.1250	1.319	1.175	.095	.039	1.311	1.167	.100	.045
38	1.1875	1.391	1.240	.100	.044	1.383	1.232	.105	.050
40	1.2500	1.463	1.305	.105	.044	1.455	1.297	.110	.050
42	1.3125	1.536	1.370	.110	.049	1.528	1.362	.115	.055
44	1.3750	1.609	1.437	.115	.049	1.601	1.429	.120	.055
46	1.4375	1.681	1.502	.120	.054	1.672	1.493	.125	.060
48	1.5000	1.753	1.566	.125	.054	1.744	1.557	.130	.060
50	1.5625	1.825	1.631	.130	.059	1.816	1.622	.135	.065
52	1.6250	1.899	1.698	.135	.059	1.890	1.689	.140	.065
54	1.6875	1.970	1.762	.140	.064	1.961	1.753	.145	.070
56	1.7500	2.044	1.828	.145	.064	2.035	1.819	.150	.070

NOMINAL WRENCHING SIZE VALUES INDICATE NOMINAL WIDTH ACROSS FLATS OF CORRESPONDING HEXAGON OR DOUBLE HEXAGON (12 POINT) WRENCHING CONFIGURATIONS.

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